

WHAT IS CLAIMED IS:

1. A solvent cast low birefringence substrate or film of optical quality comprises a blend of a cycloaliphatic polyester and a polycarbonate

5 2. A solvent cast low birefringence substrate or film of optical quality of claim 1 comprising a blend of cycloaliphatic polyester and polycarbonate with in plane birefringence from -100 to +100 nm.

3. A solvent cast low birefringence substrate or film of optical quality of claim 1 with vertical birefringence less than or equal to 300×10^{-6} .

10 4. A solvent cast low birefringence substrate or film of optical quality of claim 1 where the blend has % transmittance of greater than or equal to 75%.

5. A solvent cast low birefringence substrate or film of optical quality of claim 1 where the blend has a glass transition temperature of from about 90 to 150°C.

15 6. A solvent cast low birefringence substrate or film of optical quality of claim 1 where the cycloaliphatic polyester is comprised of cycloaliphatic diacid and cycloaliphatic diol units.

20 7. A solvent cast low birefringence substrate or film of optical quality of claim 1 where the polyester is polycyclohexane dimethanol cyclohexane dicarboxylate (PCCD).

8. A solvent cast low birefringence substrate or film of optical quality of claim 1 where the polycarbonate is composed primarily of the following structural units: bisphenol A, spiro biindane bisphenol, an aryl substituted bisphenol, a cycloaliphatic bisphenol or mixtures thereof.

9. A solvent cast low birefringence substrate or film of optical quality of claim 1 where the polycarbonate is BPA-PC and the cycloaliphatic polyester is PCCD.

10. A solvent cast low birefringence substrate or film of optical quality of claim 1 where the ratio of cycloaliphatic polyester to polycarbonate in the blend is 40:60 to 5:95

11. A solvent cast low birefringence substrate or film of optical quality of claim 1 comprising a blend of a cycloaliphatic polyester and a polycarbonate wherein said polycarbonate comprises a spiro biindane bisphenol.

12. A solvent cast low birefringence substrate or film of optical quality of claim 1 wherein said polycarbonate is composed primarily of the following structural units: bisphenol A, spiro biindane bisphenol, an aryl substituted bisphenol, a cycloaliphatic bisphenol or mixtures thereof.

13. A method of solvent casting comprising preparing a solvent containing dissolved cycloaliphatic polyester and a polycarbonate, casting said solvent onto a support and evaporating the solvent to form a substrate or film.